

Patent Claims

1. A heating apparatus for a motor vehicle which has an internal combustion engine and a vehicle interior, having a cooling circuit (2, 14) for cooling the internal combustion engine (2, 13) and having a heating circuit (6, 17), which has at least one heating body (7, 18), for heating the vehicle interior, as well as having an electrical additional heater, in particular a PTC additional heater (8, 19), characterized in that a heat source can be connected to the cooling and/or heating circuit (6; 14, 17) as the second additional heater (9, 16).
2. The heating apparatus as claimed in claim 1, characterized in that the heat source is in the form of an exhaust-gas heat exchanger (9).
3. The heating apparatus as claimed in claim 2, characterized in that the exhaust-gas heat exchanger (9) is arranged between the internal combustion engine (2) and the heating body (7) in the heating circuit (6).
4. The heating apparatus as claimed in claim 1, characterized in that the heat source is in the form of a visco heater (16).
5. The heating apparatus as claimed in claim 4, characterized in that the visco heater (16) is arranged upstream of the heating body (18) in the heating circuit (17).
6. The heating apparatus as claimed in claim 1, characterized in that the heat source is in the form of a fuel heater.